

FIG. 1

Fig. 2A

CONTINUED ON FIG. 2B...

200

Fig. 2B

12 full time (12, RG); Shrinkage = .4% (Continued on Fig. 2B...)

CONTINUED FROM FIG. 2A

↑ FIG. 2A

T2 full time (T2, RG); Shrinkage: 7.4% (Continued from Fig. 2A)						
	Feb	Mar	Apr	May	Jun	Jul
In training	0	0	0	0	0	0
Xfer in	0	4	0	0	5	4
Xfer out	0	0	0	0	0	0
Attrition	0	2	2	2	2	2
Head count...	25	27	25	23	26	28
Occupancy	100	99	100	100	100	99

Totals						
	Feb	Mar	Apr	May	Jun	Jul
Contact volume	417000	424000	430000	423000	450000	456000
Hires	14	12	12	15	17	15
Head count	219	222	223	228	233	236
Staff hours	35040	35520	35680	36480	37280	37760
Total cost	414,679	421,192	422,681	431,892	441,475	477,150
Cumulative cost	414,679	835,871	1,258,5...	1,690,4...	2,131,9...	2,579,0...

FIG. 2B

202 ↗ 200 ↘

Totals

208 ↗

	Feb	Mar	Apr	May	Jun	Jul	Aug
Contact volume	417000	424000	430000	423000	450000	456000	450000
Hires	14	12	12	15	17	15	15
Head count	219	222	223	228	233	236	240
Staff hours	35040	35520	35680	36480	37280	37760	38400
Total cost	414,679	421,192	422,681	431,892	441,475	477,150	455,338
Cumulative cost	414,679	835,871	1,258,5...	1,690,4...	2,131,9...	2,579,0...	3,034,4...

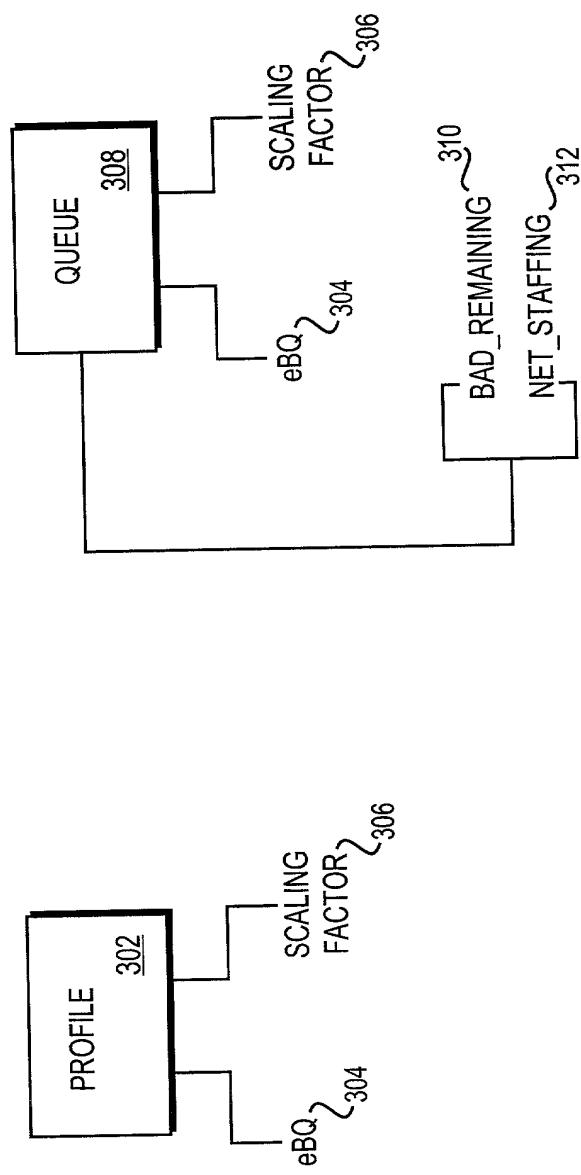


Fig. 3

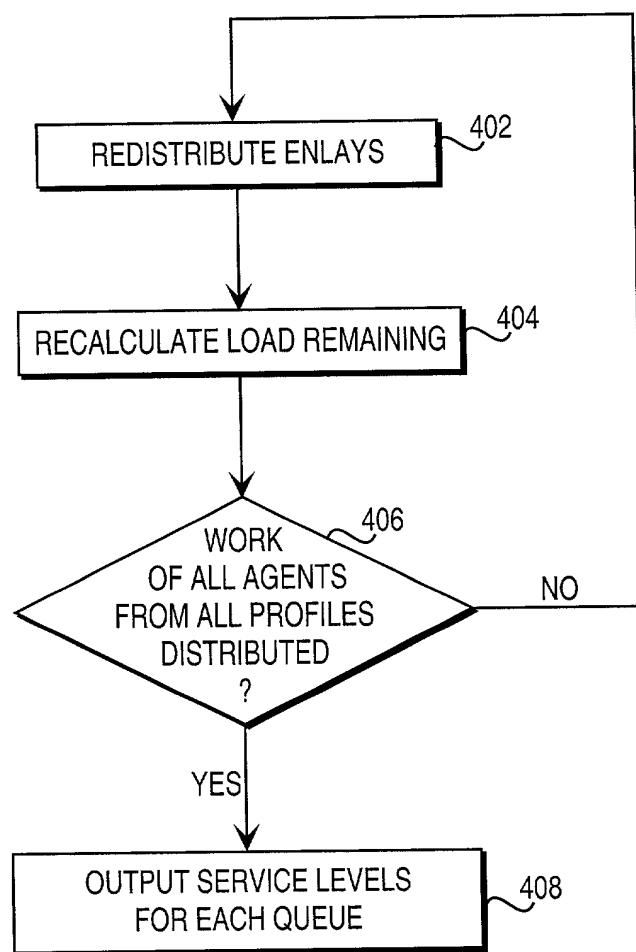


FIG. 4

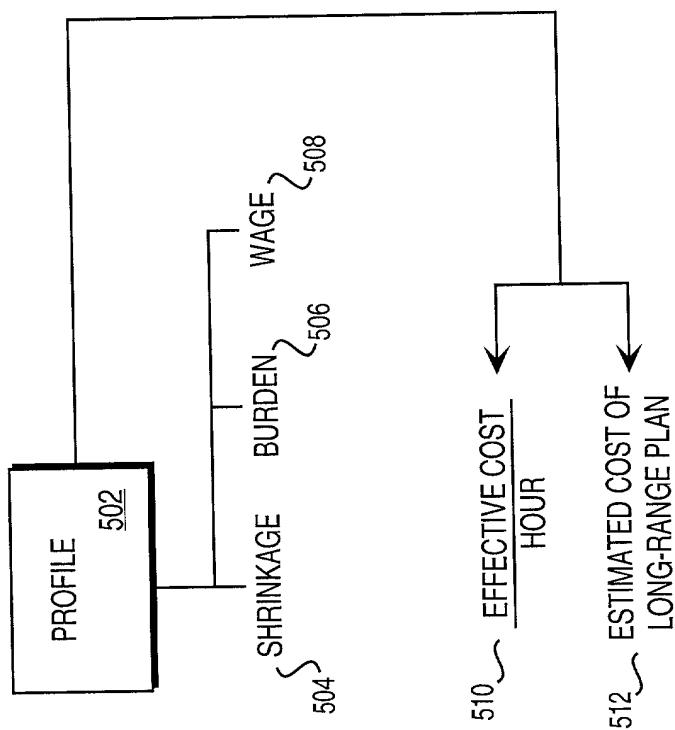


FIG. 5

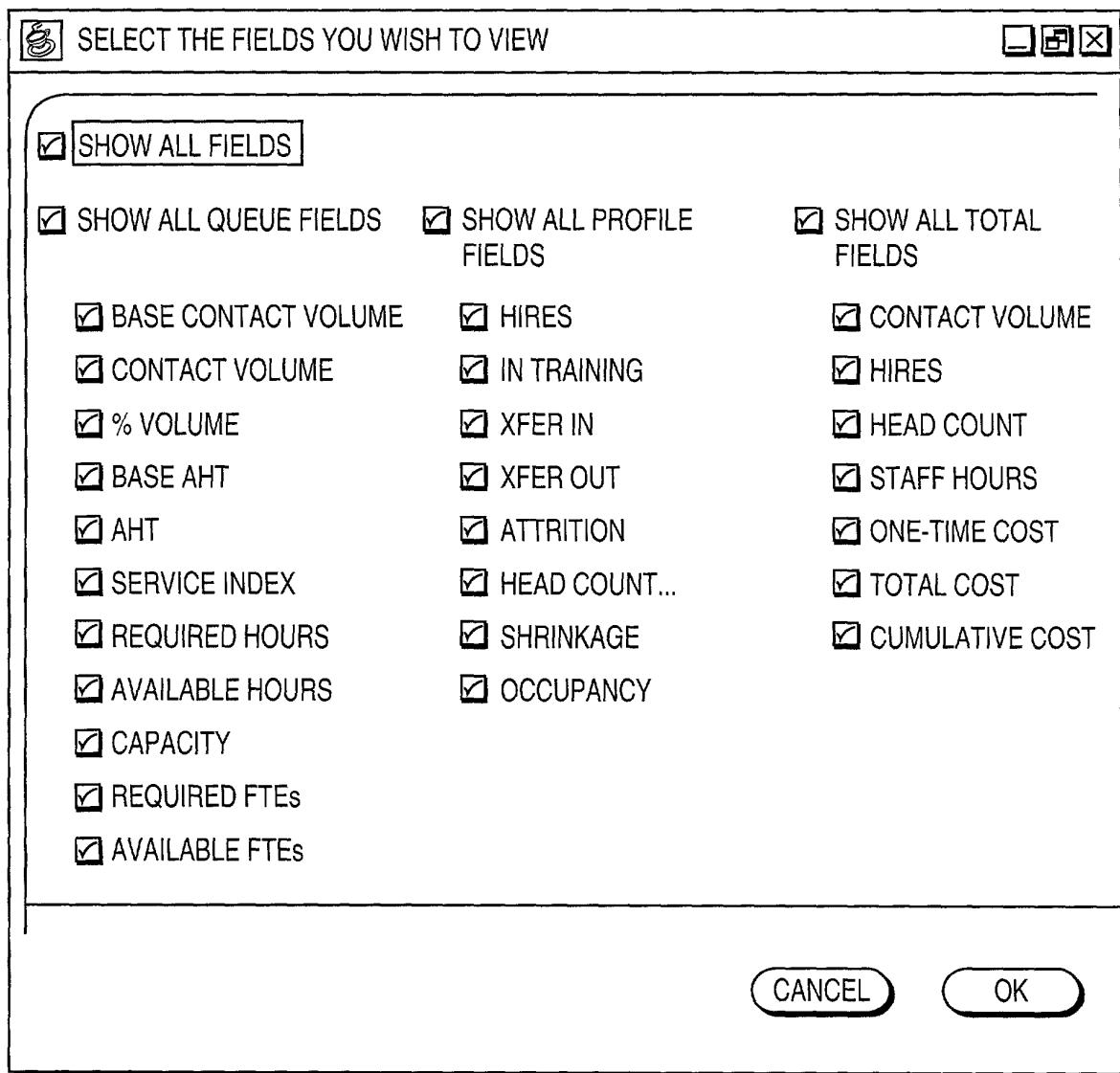


FIG. 6

 SELECT THE FIELDS YOU WISH TO VIEW

SHOW ALL FIELDS

SHOW ALL QUEUE FIELDS SHOW ALL PROFILE FIELDS SHOW ALL TOTAL FIELDS

<input checked="" type="checkbox"/> BASE CONTACT VOLUME	<input checked="" type="checkbox"/> HIRES	<input checked="" type="checkbox"/> CONTACT VOLUME
<input checked="" type="checkbox"/> CONTACT VOLUME	<input checked="" type="checkbox"/> IN TRAINING	<input checked="" type="checkbox"/> HIRES
<input checked="" type="checkbox"/> % VOLUME	<input checked="" type="checkbox"/> XFER IN	<input checked="" type="checkbox"/> HEAD COUNT
<input checked="" type="checkbox"/> BASE AHT	<input checked="" type="checkbox"/> XFER OUT	<input checked="" type="checkbox"/> STAFF HOURS
<input checked="" type="checkbox"/> AHT	<input type="checkbox"/> ATTRITION	<input checked="" type="checkbox"/> ONE-TIME COST
<input checked="" type="checkbox"/> SERVICE INDEX	<input checked="" type="checkbox"/> HEAD COUNT...	<input checked="" type="checkbox"/> TOTAL COST
<input checked="" type="checkbox"/> REQUIRED HOURS	<input type="checkbox"/> SHRINKAGE	<input checked="" type="checkbox"/> CUMULATIVE COST
<input checked="" type="checkbox"/> AVAILABLE HOURS	<input checked="" type="checkbox"/> OCCUPANCY	
<input checked="" type="checkbox"/> CAPACITY		
<input checked="" type="checkbox"/> REQUIRED FTEs		
<input checked="" type="checkbox"/> AVAILABLE FTEs		

CANCEL OK

FIG. 7

① BLUEPUMPKIN	File	Scenario	Views	Queues	Agent Profiles	?
BIG CORP Feb 2001-Jan 2002						New Scenario: Feb 2001-Jan 2002

RegEntry: Voice, service goal=80% in 60 seconds 						
Contact volume	Feb	Mar	Apr	May	Jun	Jul
380000	385000	390000	385000	410000	415000	410000
% volume	8	8	8	9	9	9
AHT	230	230	230	230	230	230
Actual service	89	85	76	97	77	84
Required hours	27815	28170	28535	28170	29954	30312
Capacity hours	28135	28310	28430	29169	29886	30415

Tier2 Care: Voice, service goal=90% in 45 seconds 						
Contact volume	Feb	Mar	Apr	May	Jun	Jul
30000	31000	32000	31000	33000	34000	34000
% volume	8	8	8	8	9	9
AHT	220	220	220	220	220	220
Actual service	93	95	94	96	91	95
Required hours	2738	2819	2904	2819	2965	3048

Entry level FT (RG); Shrinkage: 8.5% 						
Hires	Feb	Mar	Apr	May	Jun	Jul
9	12	12	15	17	15	15
In training	0	0	0	0	0	0
Xfer out	0	4	0	0	5	4
Attrition	9	9	9	9	9	9
Head count	170	169	172	178	181	183
Occupancy	87	87	88	85	88	85

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FIG. 8A

Fig. 8B

Continued on Fig. 8B...

Continued from Fig. 8A...

↑
Fig. 8A

T2 full time (T2, RG); Shrinkage: 7.4% ↘

	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
In training	0	0	0	0	0	0	0	0	0
Xfer In	0	4	0	0	5	4	6	0	0

Totals

	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Contact Volume	417000	424000	430000	423000	450000	456000	450000	420000	414200
Hires	9	12	12	15	17	15	15	0	0
Head Count	216	219	220	225	230	233	237	226	216
Staff Hours	34560	35040	35200	36000	36800	37280	37920	36160	34560
Total Cost	412,446	418,959	420,448	429,659	439,242	444,917	453,105	432,171	413,337
Cumulative Cost	412,446	831,405	1,251,853	1,681,512	2,120,754	2,565,671	3,018,776	3,450,947	3,864,323

Start	Exploring - Patent	Inbox-Microsoft O...	Telnet - (None)	C:\WINNT\Syste...	Big Corp	Untitled - Paint
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Fig. 8B

FIG. 9A

NEW SCENARIO: Feb 2001 - Jan 2002						
BLUEPUMPKIN	File	Scenario	Views	Queues	Agent Profiles	?
BIG CORP Feb 2001-Jan 2002						New Scenario: Feb 2001-Jan 2002
Queue #1: Voice, service goal = 90% in 30 seconds						
<hr/>						
Contact volume	Feb	Mar	Apr	May	Jun	Jul
350000	360000	370000	360000	360000	370000	380000
% volume	8	8	8	8	8	9
AHT	200	200	200	200	200	200
Actual service	0	0	0	0	0	0
Required hours	24559	25228	25883	25228	24559	25228
Capacity hours	0	0	0	0	0	0

Profile #1 (Q1)						
	Feb	Mar	Apr	May	Jun	Jul
Hires	0	0	0	0	0	0
In training	0	0	0	0	0	0
Attrition	0	0	0	0	0	0
Head count	0	0	0	0	0	0
Sprinkage	0.0	0.0	0.0	0.0	0.0	0.0
Occupancy	0	0	0	0	0	0

Fig. 9B
↓

Continued on Fig. 9B...

↑
Fig. 9A

Continued from Fig. 9A...

Totals

	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Contact Volume	350000	360000	370000	360000	350000	360000	370000	380000	390000
Hires	0	0	0	0	0	0	0	0	0
Head Count	0	0	0	0	0	0	0	0	0
Staff Hours	0	0	0	0	0	0	0	0	0
Total Cost	0	0	0	0	0	0	0	0	0
Cumulative Cost	0	0	0	0	0	0	0	0	0

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FIG. 9B

COMPARISON OF 2 SCENARIOS

Comparison of 2 Scenarios																							
RegEntry	Feb	Feb	Mar	Mar	Apr	Apr	May	May	Jun	Jun	Jul	Jul	Aug	Aug	Sep	Sep	Oct	Oct	Nov	Nov	Dec	Dec	
Contact volume	380...	380...	385...	385...	390...	390...	385...	385...	410...	410...	415...	415...	410...	410...	380...	380...	374...	374...	405...	405...	410...	410...	
% volume	8	8	8	8	8	8	8	8	9	9	9	9	9	9	8	8	8	8	9	9	9	9	
AHT	230	230	230	220	230	210	230	200	230	200	230	200	230	200	230	200	230	200	230	200	230	200	
Actual service	84	86	83	85	93	79	100	93	100	79	100	80	100	94	100	97	100	91	100	68	100	68	
Required hours	296...	296...	300...	299...	303...	274...	299...	277...	318...	280...	322...	277...	318...	257...	295...	253...	291...	274...	314...	277...	318	277...	318
Capacity hours	297...	297...	300...	297...	301...	297...	302...	294...	305...	299...	317...	304...	321...	306...	325...	290...	306...	279...	295...	294...	311...	300...	317

Tier2 Care

Tier2 Care	2023 Performance												2024 Performance											
	Feb	Feb	Mar	Mar	Apr	Apr	May	May	Jun	Jun	Jul	Jul	Aug	Aug	Sep	Sep	Oct	Oct	Nov	Nov	Dec	Dec		
Contact volume	300...	300...	310...	310...	320...	320...	310...	310...	330...	330...	340...	340...	340...	340...	330...	330...	330...	330...	330...	330...	360...	360...		
% volume	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	8	8	8	8	9	9		
AHT	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	
Actual service	86	88	88	90	94	85	100	95	100	85	100	85	100	95	100	97	100	92	100	78	100	100	100	
Required hours	3034	2978	3106	3059	3185	3131	3106	3059	3276	3221	3365	3295	3365	3295	3365	3276	3221	3276	3221	3276	3221	3515	3411	
Capacity hours	2893	2902	3040	3034	3339	2984	3906	3247	4212	3061	4334	3150	4783	3522	4699	3652	4305	3278	4092	2934	4346	322	322	

Tao Tiao

Top Tier	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	De
Contract volume	70000	80000	80000	80000	70000	70000	70000	60000	60000	72000	67000	7100
% volume	8	8	10	10	10	8	8	8	7	7	9	8

Entry level FT

Continued on Fig. 10B...

Fig. 10B

FIG. 10A

↑
Fig.10A

Continued from Fig. 10A

Totals	Feb	Feb	Mar	Mar	Apr	May	May	Jun	Jun	Jul	Jul	Aug	Aug	Sep	Sep	Oct	Oct	Nov	Nov	Dec	Dec
Contact volume	417	417	424	424	430	430	423	423	450	450	456	456	450	450	420	420	414	414	444	444	453
Hires	14	14	12	12	12	12	15	15	17	17	15	15	15	15	0	0	0	0	19	19	17
Head Count	219	219	222	222	223	223	228	228	233	233	236	236	240	240	229	229	219	219	227	227	234
Staff Hours	350	350	355	355	355	356	356	356	364	364	372	372	372	372	377	377	384	384	366	366	374
Total Cost	414	414	421	421	422	422	431	431	441	441	447	447	447	447	455	455	434	434	415	415	443
Cumulative Cost	414	414	835	835	1,25	1,25	1,25	1,25	1,69	1,69	2,13	2,13	2,57	2,57	3,03	3,03	3,46	3,46	3,88	3,88	4,75

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FIG. 10B

COMPARISON OF 2 SCENARIOS

File View Edit Export Help

RegEntry	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Contact volume	380000	385000	390000	385000	410000	415000	410000	380000	374000	405000	41000
Contact volume	380000	385000	390000	385000	410000	415000	410000	380000	374000	405000	41000
% volume	8	8	8	8	9	9	9	8	8	9	9
% volume	8	8	8	8	9	9	9	8	8	9	9
AHT	230	230	220	210	200	200	200	200	200	200	200
AHT	230	230	230	230	230	230	230	230	230	230	230
Actual service	84	83	93	100	100	100	100	100	100	100	100
Actual service	86	85	79	93	79	80	94	97	91	68	7
Required hours	29637	30023	29077	27427	27763	28095	27763	25796	25393	27436	2776
Required hours	29556	29929	30315	29929	31819	32204	31819	29556	29104	31446	3181
Capacity hours	29767	30097	29730	29476	29991	30421	30627	29055	27977	29498	3005
Capacity hours	29765	30102	30264	30562	31765	32189	32522	30626	29559	31143	3176

Tier 2 Care

	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Contact volume	30000	31000	32000	31000	33000	34000	34000	33000	33000	33000	3600
Contact volume	30000	31000	32000	31000	33000	34000	34000	33000	33000	33000	3600
% volume	8	8	8	8	8	9	9	8	8	8	8
% volume	8	8	8	8	8	9	9	8	8	8	8
AHT	220	220	220	220	220	220	220	220	220	220	220

Entry Level FT

	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Hires	14	12	12	15	17	15	15	0	0	0	1

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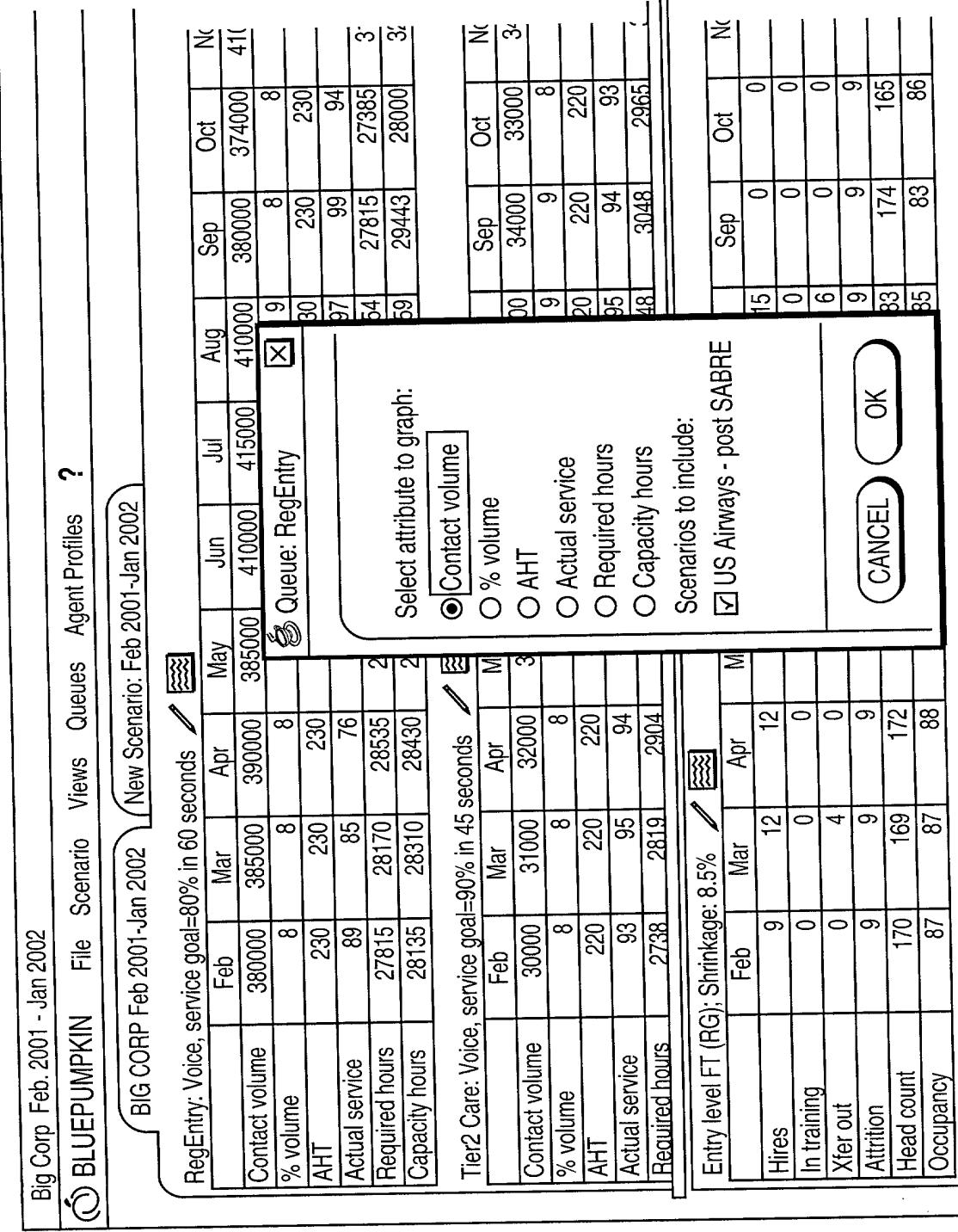
Fig. 11B
↓

Continued on Fig. 11B...

Fig. 11A

Continued from Fig. 11A

Totals		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Contact volume		417000	424000	430000	423000	450000	456000	450000	420000	414200	444700	45311
Contact volume		417000	424000	430000	423000	450000	456000	450000	420000	414200	444700	45311
Hires		14	12	12	15	17	15	15	0	0	0	19
Hires		14	12	12	15	17	15	15	0	0	0	19
Head Count		219	222	223	228	233	236	240	229	219	227	227
Head Count		219	222	223	228	233	236	240	229	219	227	227
Staff Hours		35040	35520	35680	36480	37280	37760	38400	36640	35040	36320	374
Staff Hours		35040	35520	35680	36480	37280	37760	38400	36640	35040	36320	374
Total Cost		414,679	421,192	422,681	431,892	441,475	447,150	455,338	434,404	415,610	430,124	443,0
Total Cost		414,679	421,192	422,681	431,892	441,475	447,150	455,338	434,404	415,610	430,124	443,0
Cumulative Cost		414,679	835,871	1,258,552	1,690,444	2,131,919	2,579,069	3,034,407	3,468,810	3,884,420	4,314,544	4,757,6
Cumulative Cost		414,679	835,871	1,258,552	1,690,444	2,131,919	2,579,069	3,034,407	3,468,810	3,884,420	4,314,544	4,757,6



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FIG. 12A

Fig. 12B

Continued on Fig. 12B...

Fig. 12B

Continued from Fig. 12A...

T2 full time (T2, RG); Shrinkage: 7.4% 

T2 full time (T2, RG); Shrinkage: 7.4% 									
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
In training	0	0	0	0	0	0	0	0	0
Xfer in	0	4	0	0	5	4	6	0	0
<hr/>									
Totals									
Contact Volume	417000	424000	430000	423000	450000	456000	450000	420000	414200
Hires	9	12	12	15	17	15	15	0	0
Head Count	216	219	220	225	230	233	237	226	216
Staff Hours	34560	35040	35200	36000	36800	37280	37920	36160	34560
Total Cost	412,446	418,959	420,448	429,659	439,242	444,917	453,105	432,171	413,337
Cumulative Cost	412,446	831,405	1,251,853	1,681,512	2,120,754	2,565,671	3,018,776	3,450,947	3,864,323

Start	Exploring - Patent	Inbox-Microsoft O... (None)	Telnet - (None)	C:\WINNT Syste...	Big Corp	Untitled - Paint
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Fig. 12A



Fig. 13A

Big Corp Feb. 2001 - Jan 2002									
BLUEPUMPKIN	File	Scenario	Views	Queues	Agent Profiles	?			
BIG CORP Feb 2001-Jan 2002									
New Scenario: Feb 2001-Jan 2002									
RegEntry: Voice, service goal=80% in 60 seconds									
Contact volume	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
3800000	3850000	3900000	3850000	4100000	4150000	4100000	3800000	3740000	4100000
% volume	8	8	8	9	9	9	9	8	8
AHT	230	230	230	230	230	230	230	230	230
Actual service	89	85	76	97	77	84	97	99	94
Required hours	27815	28170	28535	28170	29954	30312	29954	27815	27385
Capacity hours	28135	28310	28430	29169	29886	30415	30959	29443	28000
Tier2 Care: Voice, service goal=90% in 45 seconds									
Contact volume	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
30000	31000	32000	31000	33000	34000	34000	34000	33000	34000
% volume	8	8	8	8	9	9	9	9	8
AHT	220	220	220	220	220	220	220	220	220
Actual service	93	95	94	96	95	91	95	94	93
Required hours	2738	2819	2904	2819	2965	3048	3048	3048	2965

Fig. 13B



Continued on Fig. 13B....

Continued from Fig. 13A...

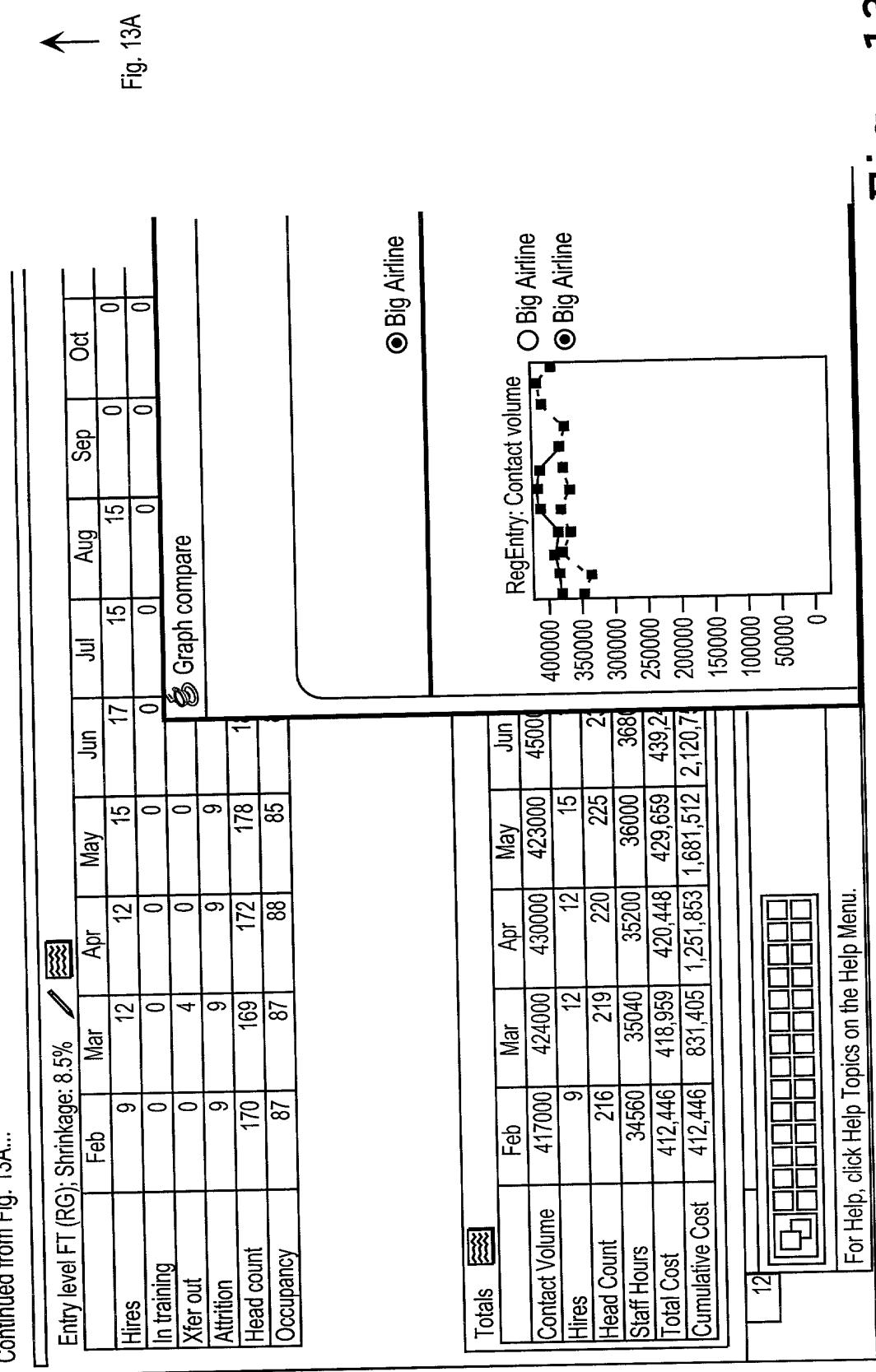


Fig. 13B

BIIIE PUMPKIN | LONG TERM PLANNING REPORT: Performance Summary

Scenario: BIG CORP (2)

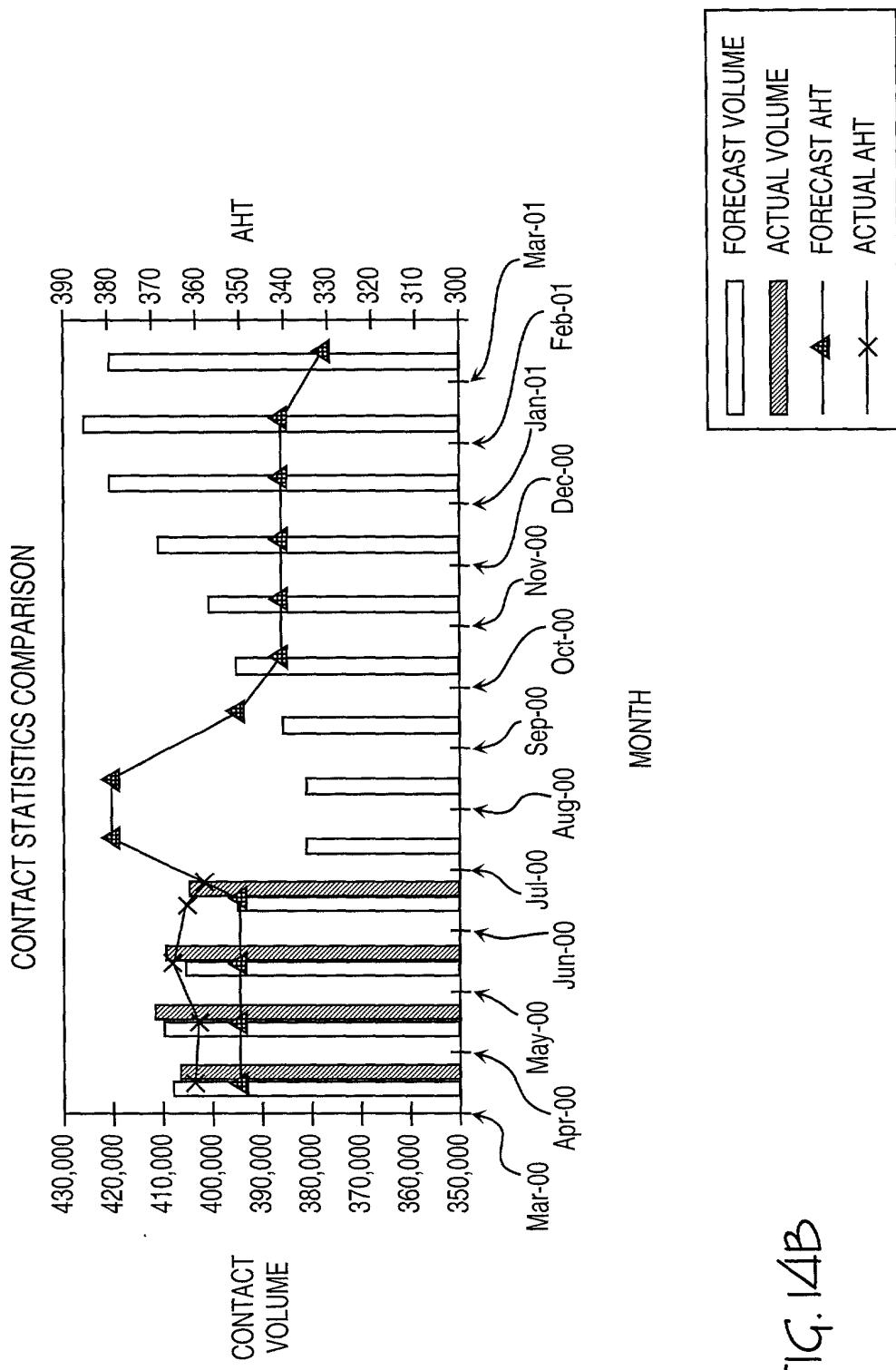
Calculations based on ETE hours/month:

Service Level uses service time (sec):

Contact Center Performance Summary:

Month	Contact Statistics				Staffing				Performance				
	Plan		Actual		Plan		Actual		Plan		Actual		
	Volume	AHT	Volume	AHT	% Volume	Req hrs	Req FTEs	Avl hrs	Avl FTEs	Headcnt	Headcnt	Calls/Head	Occup
Mar-00	408,000	350	407,000	360	-0.2%	12,500	78.1	12,400	77.5	110	109	-0.9%	3709
Apr-00	410,000	350	411,000	360	0.2%	12,600	78.8	12,500	78.1	120	122	1.6%	3417
May-00	405,000	350	409,000	365	1.0%	12,680	79.3	12,500	78.4	122	121	-0.8%	3320
Jun-00	395,000	350	405,000	362	2.5%	12,740	79.6	12,500	78.1	120	115	-4.3%	3292
Jul-00	380,000	380				12,990	81.2	13,000	81.3	140			2714
Aug-00	380,000	380				13,200	82.5	13,200	81.6	145			2621
Sep-00	385,000	350				13,100	81.9	13,050	81.3	140			2750
Oct-00	395,000	340				13,150	82.2	13,000	81.3	140			2821
Nov-00	400,000	340				13,240	82.8	13,200	82.5	145			2759
Dec-00	410,000	340				13,280	83.0	13,100	81.9	145			2828
Jan-01	420,000	340				13,300	83.1	13,000	81.3	145			2897
Feb-01	425,000	340				13,280	83.0	13,200	82.5	150			2833
Mar-01	420,000	330				13,290	83.1	13,300	83.1	155			2710
Total	5,233,000		1,632,000			169350		167800					
Min	380,000	330	405,000	360	-0.2%	12500	78	12400	78	110	109	-4.3%	2621
Max	425,000	380	411,000	365	2.5%	13300	83	13300	83	155	122	1.6%	3709
Ave	402,538	349	408,000	362	0.9%	13027	81	12908	81	137	117	-1.1%	2975

FIG. 14A



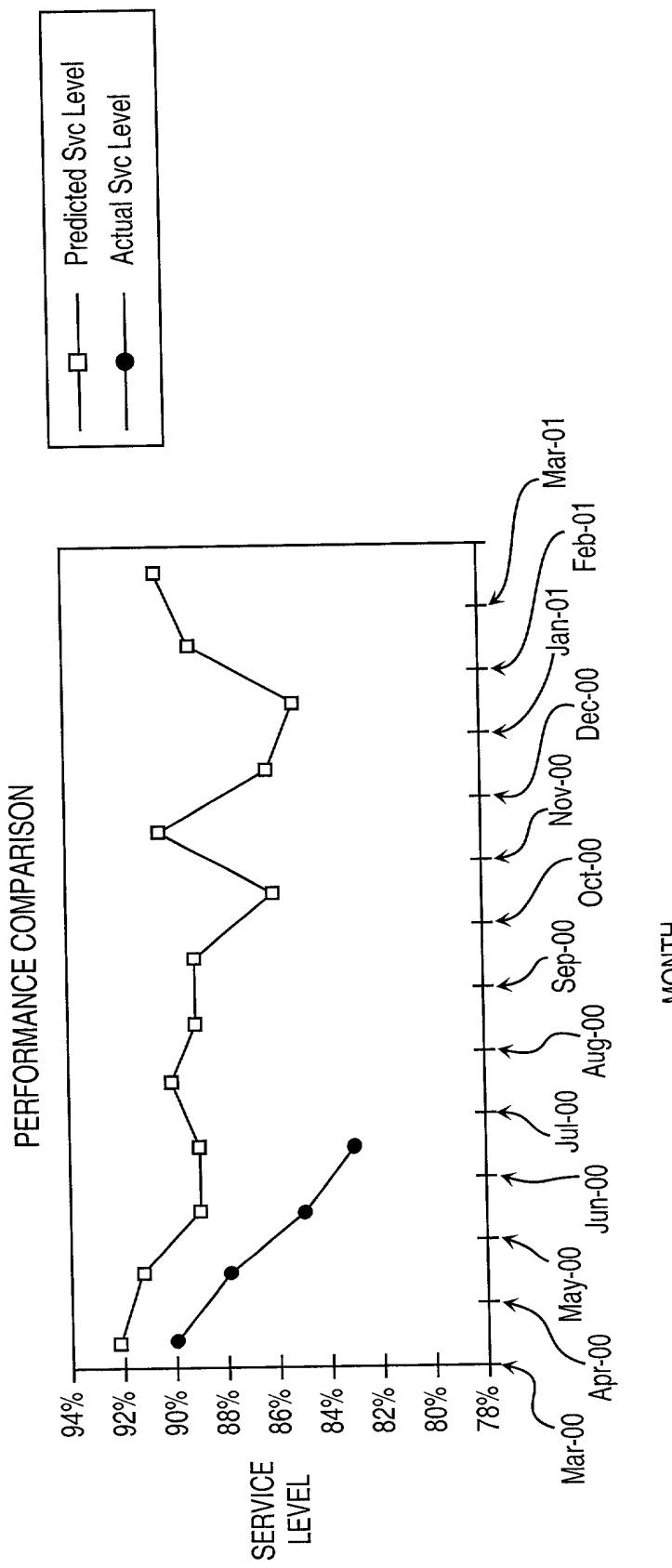


FIG. 14C

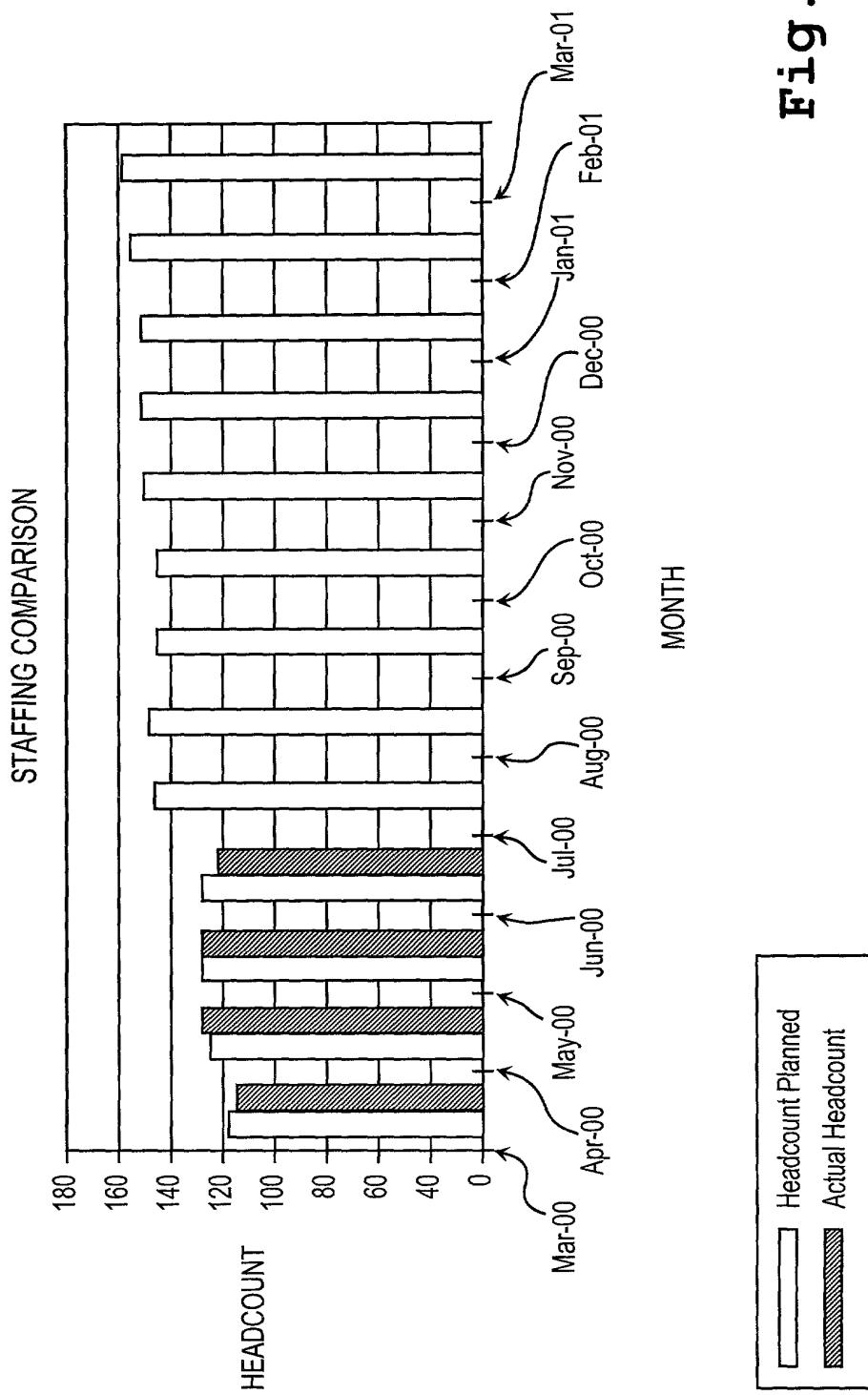


Fig. 14D

AVERAGE WAGE BURDEN SUMMARY

PROFILE	AVERAGE WAGE
ENTRY LEVEL FT	10
T2 FULL TIME	11
T3 FULL TIME	11.5
PART TIME HOLIDAY AGENTS	12

OK CANCEL

FIG. 15

AVERAGE WAGE BURDEN SUMMARY

401K	2%
INSURANCE	6%
WORKER'S COMP	5%
FUTA	3.3%
BONUS	0%
OTHER	0%
TOTAL	16.3%

CANCEL OK

FIG. 16

AVERAGE WAGE / BURDEN / SUMMARY

PROFILE	AVG. WAGE	TOTAL BURDEN	PAID/WORK...	COST/SCHED...	COST/AGENT/...
ENTRY LEVEL FT	10.0	1.163	1.0819672...	12.583278...	2013.3245...
T2 FULL TIME	11.0	1.163	1.0723542...	13.718627...	2194.9803...
T3 FULL TIME	11.5	1.163	1.0619658...	14.203261...	2272.5218...
PART TIME H...	12.0	1.163	1.0780911...	15.045839...	601.83357...

CANCEL OK

FIG. 17

 GENERAL SHRINKAGE

PROFILE NAME

PROFILE ABBREVIATION

CAN HIRE INTO THIS PROFILE

REQUIRES WEEKS OF TRAINING TO HIRE IN

CAN TRANSFER INTO THIS PROFILE

CAN TRANSFER OUT OF THIS PROFILE

FTE HOURS PER MONTH

FTE HOURLY WAGE

AGENT EFFICIENCY %

INITIAL HEADCOUNT AGENTS


RegEntry
Tier2 Care
Top Tier

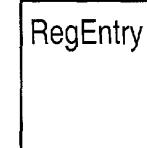

RegEntry

FIG. 18

 GENERAL SHRINKAGE

SPECIFY SHRINKAGE PER MONTH
 SPECIFY SHRINKAGE FOR ENTIRE SCENARIO

PLANNED SHRINKAGE

VACATION	2	%
BREAKS	0.2	%
TRAINING	4	%
NON-CONTACT ACTIVITY	1	%
OTHER PLANNED SHRINKAGE	0	%
TOTAL PLANNED SHRINKAGE	7.2	%

UNPAID ABSENTEEISM

UNPAID SICK/PERSONAL	1	%
UNPAID OTHER	0	%
TOTAL UNPAID ABSENTEEISM	1	%

PAID ABSENTEEISM

PAID JURY/FMLA	0.3	%
PAID OTHER	0	%
TOTAL PAID ABSENTEEISM	0.3	%

TOTAL SHRINKAGE **8.5** %

CANCEL **OK**

Fig. 19

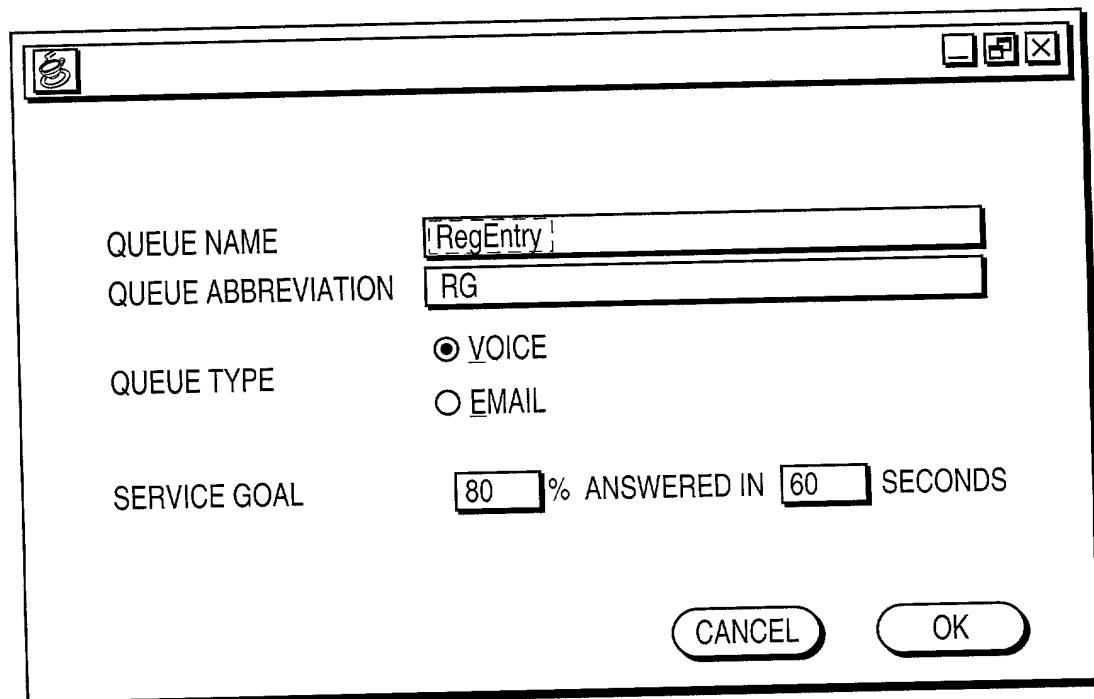


FIG. 20

STRATEGIC CROSS-TRAINING

BY EXAMINING THE ANTICIPATED SERVICE FOR ALL QUEUES, WE CAN IDENTIFY THE QUEUES WITH THE WORST SERVICE:

RegEntry (84%)
Top Tier (87%)
Tier2 Care (88%)

STEPS

IDENTIFY QUEUES WITH THE MOST NEED
IDENTIFY LOWEST EFFICIENCY PROFILES
SELECT TRAINING TRAJECTORIES
CALCULATE TRAINING SENSITIVITY
MEASURE PAYOFF OF CROSS-TRAINING

THE WORST QUEUES ARE EXPERIENCING BAD SERVICE EITHER BECAUSE THEY ARE UNDERSTAFFED OR HAVE VERY LARGE VOLUMES OF CONTACTS.
SELECT THE WORST QUEUES AS CANDIDATES OF CROSS-TRAINING.

NEXT > **CANCEL**

Fig. 21